

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/589,777A

DATE: 01/04/2001
TIME: 17:11:38

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01042001\I589777A.raw

4 <110> APPLICANT: Sukhatme, Vikas P.
6 <120> TITLE OF INVENTION: Anti-Angiogenic Peptides and Methods of
7 Use Thereof
9 <130> FILE REFERENCE: 1440.1023-011
11 <140> CURRENT APPLICATION NUMBER: US 09/589,777A
12 <141> CURRENT FILING DATE: 2000-06-08
14 <150> PRIOR APPLICATION NUMBER: PCT/US98/26057
15 <151> PRIOR FILING DATE: 1998-11-16
17 <150> PRTOR APPLICATION NUMBER: US 60/108,536
18 <151> PRIOR FILING DATE: 1998-04-22
20 <150> PRIOR APPLICATION NUMBER: US 60/082,663
21 <151> PRIOR FILING DATE: 1998-04-22
23 <150> PRTOR APPLICATION NUMBER: US 60/067,888
24 <151> PRIOR FILING DATE: 1997-12-07
26 <160> NUMBER OF SEQ ID NOS: 23
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 555
32 <212> TYPE: DNA
33 <213> ORGANISM: Mus musculus
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (1)...(525)
38 <223> OTHER INFORMATION: protein EM1
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (1)...(501)
42 <223> OTHER INFORMATION: protein EM2
44 <221> NAME/KEY: CDS
45 <222> LOCATION: (1)...(552).
47 <400> SEQUENCE: 1
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49 His Thr His Gln Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn
50 1 5 10 15
52 acc ccc ctg tct gga ggc atg cgt ggt atc cgt gga gca gat ttc cag 96
53 Thr Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
54 20 25 30
56 tgc ttc cag caa gcc cga gcc gtg ggg ctg tcg ggc acc ttc cgg gct 144
57 Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ser Gly Thr Phe Arg Ala
58 35 40 45
60 ttc ctg tcc tct agg ctg cag gat ctc tat agc atc gtg cgc cgt gct 192
61 Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
62 50 55 60
64 gac cgg ggg tct gtg ccc atc gtc aac ctg aag gac gag gtg cta tct 240
65 Asp Arg Gly Ser Val Pro Ile Val Asn Leu Lys Asp Glu Val Leu Ser
66 65 70 75 80
68 ccc ayc tgg gac tcc ctg ttt tct ggc Lcc cag ggt caa ctg caa ccc 288
69 Pro Ser Trp Asp Ser Leu Phe Ser Gly Ser Gln Gln Leu Gln Pro

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70	85	90	95														
72	ggg	gcc	cyc	atc	ttt	tct	ttt	gac	ggc	aga	gat	gtc	ctg	aga	cac	cca	336
73	Gly	Ala	Arg	Ile	Phe	Ser	Phe	Asp	Gly	Arg	Asp	Val	Leu	Arg	His	Pro	
74																	110
76	ggc	tgg	cgc	cag	aag	agc	gta	tgg	cac	ggc	tcg	gac	ccc	agt	ggg	cgg	384
77	Ala	Trp	Pro	Gln	Lys	Ser	Val	Trp	His	Gly	Ser	Asp	Pro	Ser	Gly	Arg	
78																125	
80	agg	ctg	atg	gag	agt	tac	tgt	gag	aca	tgg	cga	act	gaa	act	act	ggg	432
81	Arg	Leu	Met	Glu	Ser	Tyr	Cys	Glu	Thr	Trp	Arg	Thr	Glu	Thr	Thr	Gly	
82																140	
84	gct	aca	ggl	cag	ggc	tcc	tcc	ctg	ctg	tca	ggc	agg	ctc	ctg	gaa	cag	420
85	Ala	Thr	Gly	Gln	Ala	Ser	Ser	Leu	Leu	Ser	Gly	Arg	Leu	Leu	Glu	Gln	
86	145				150						155					160	
88	aaa	gct	gcg	agc	tgc	cac	aac	agc	tac	atc	gtc	ctg	tgc	att	gag	aat	528
89	Lys	Ala	Ala	Ser	Cys	His	Asn	Ser	Tyr	Ile	Val	Leu	Cys	Ile	Glu	Asn	
90																175	
92	agc	tcc	atg	acc	tct	tcc	aaa	tag									555
93	Ser	Phe	Met	Thr	Ser	Phe	Ser	Lys									
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104	1								5		10					15	
105	Thr	Pro	Leu	Ser	Gly	Gly	Met	Arg	Gly	Ile	Arg	Gly	Ala	Asp	Phe	Gln	
106									20		25					30	
107	Cys	Phe	Gln	Gln	Ala	Arg	Ala	Val	Gly	Leu	Ser	Gly	Thr	Phe	Arg	Ala	
108									35		40					45	
109	Phe	Leu	Ser	Ser	Arg	Leu	Gln	Asp	Leu	Tyr	Ser	Ile	Val	Arg	Arg	Ala	
110									50		55					60	
111	Asp	Arg	Gly	Ser	Val	Pro	Ile	Val	Asn	Leu	Lys	Asp	Glu	Val	Leu	Ser	
112	65								70		75					80	
113	Pro	Ser	Trp	Asp	Ser	Leu	Phe	Ser	Gly	Ser	Gln	Gly	Glu	Leu	Gln	Pro	
114									85		90					95	
115	Gly	Ala	Arg	Ile	Phe	Ser	Phe	Asp	Gly	Arg	Asp	Val	Leu	Arg	His	Pro	
116									100		105					110	
117	Ala	Trp	Pro	Gln	Lys	Ser	Val	Trp	His	Gly	Ser	Asp	Pro	Ser	Gly	Arg	
118									115		120					125	
119	Arg	Leu	Met	Glu	Ser	Tyr	Cys	Glu	Thr	Trp	Arg	Thr	Glu	Thr	Thr	Gly	
120									130		135					140	
121	Ala	Thr	Gly	Gln	Ala	Ser	Ser	Leu	Leu	Ser	Gly	Arg	Leu	Leu	Glu	Gln	
122	145								145		150					160	
124	Lys	Ala	Ala	Ser	Cys	His	Asn	Ser	Tyr	Ile	Val	Leu	Cys	Ile	Glu	Asn	
125									165		170					175	
127	Ser	Phe	Met	Thr	Ser	Phe	Ser	Lys									
128									180								
129	<210>	SEQ	ID	NO:	3												

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130 <211> LENGTH: 26
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Oligonucleotide
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141 <211> LENGTH: 26
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Oligonucleotide
148 <400> SEQUENCE: 4
149 aactcgagct atttggagaa agaggt
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152 <211> LENGTH: 24
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Leader peptide on protein produced by prokaryotic
158 expression system pET17b, mouse endostatin begins
159 immediately after.
161 <400> SEQUENCE: 5
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163 1 5 10 15
165 Ile Asp Asp Asp Asp Lys His Met
166 20
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183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Leader peptide on protein produced by prokaryotic
187 expression system pET28a, mouse endostatin begins
188 immediately after.
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191 Met Gly Ser Ser His His His His His His Ser Ser Gly Leu Val Pro
192 1 5 10 15
194 Arg Gly Ser His Met
195 20

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Input Set : A:\Pto.amc
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 210 <212> TYPE: DNA
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 214 <223> OTHER INFORMATION: Oligonucleotide
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 217 ttagcgcccg cctactcaat gcacaggacy atgta 35
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 225 <223> OTHER INFORMATION: Oligonucleotide
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 232 <212> TYPE: DNA
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 236 <223> OTHER INFORMATION: Oligonucleotide
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 239 ggaaatcca tactcatcaq gacttt 26
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 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial Sequence
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 247 <223> OTHER INFORMATION: Oligonucleotide
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 252 <210> SEQ ID NO: 13
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 254 <212> TYPE: PRT
 255 <213> ORGANISM: Artificial Sequence
 257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Leader peptide on protein produced by eukaryotic
 259 yeast expression system pPICZaA, mouse endostatin
 260 protein begins immediately after.
 262 <400> SEQUENCE: 13

RAW SEQUENCE LISTING
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Input Set : A:\Pto.amc
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 266 Gly His Ile Asp Asp Asp Asp Lys His Met
 267 20 25
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 271 <212> TYPE: DNA
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 305 <213> ORGANISM: Artificial Sequence
 307 <220> FEATURE:
 308 <223> OTHER INFORMATION: Oligonucleotide
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 326 <212> TYPE: DNA
 327 <213> ORGANISM: Artificial Sequence
 329 <220> FEATURE:

VERIFICATION SUMMARY
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Input Set : A:\Pto.amc
Output Set: N:\CRF3\01042001\1589777A.raw